ABSTRACTS

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INSTRUCTIONS FOR USE

This index has been designed to facilitate manual coordinate searching. Each abstract appearing in APSE has been assigned a unique abstract number of the form 2261/68P. The digits preceding the slash indicate the numerical published sequence position of the abstract while the final two digits indicate the calendar year in which that abstract was published. A "P" following the year digits indicates that the abstract is of a patent, and a blank of a journal article, report or other entry.

In utilizing this volume for coordinate searching, a question should be formulated to define broadly the area of interest. Once the question is rigorously stated, a specific search strategy should be chosen. Such a strategy might be, for example, terms of interest chosen from the Thesaurus of Photographic Science and Engineering Terms, patents from particular country, and author of particular interest and/or a patent assignee. Comparing the lists of abstract numbers with the groups of terms chosen would result in a list of abstract numbers common to all groups, this set of numbers representing the set of documents of interest. Consulting issues of APSE would yield the original document reference. In carrying out coordinate searches several copies of this index would be useful for side-by-side page comparison; and, in keeping with modern technology, the APSE Publications Board has authorized copying of these pages by photographic means for the express purpose of conducting such a search.

SECTION 1

Section 1, Authors and Inventors, contains an alphabetical listing of journal article authors and patent inventors. Anonymous listings are not cited in this index. In indexing names, prefixes such as de, Mc, Mac and Van are separated from the remainder of the name by a space, when appropriate, to cause their proper alphabetical listing in the computer-generated product. In transliterating names, the Germainic ä, ö, ü and the Scandinavian ø are presented as ae, oe, ue and oe, respectively. Other word marks such as the Russian ', do not appear here in transliteration, and first name initials Ya, Yu, and others appear as the first letter only e. g., Y. Some authors or inventors may be listed several times with different initials. Due to the presentation of only some initials in journal citations and all initials in patent literature. Thus, one will find Pouradier J and Pouradier J J L listed. Where the person has Junior as part of his name, the abbreviation JR follows the initials so as not to effect the computer alphabetization.

SECTION 2

Section 2, Patents by Country, lists patent abstracts and all corresponding patents found first by country and then by patent number within that country. Digits which repeat within any group of patent numbers are not repeated for easy scanning. In the case of Japanese and South African patents, the numbers will appear in the form Japan. 39,001,149 or So. Afr. 64, 011,345, and would appear on the patent as Japan 39-1,149 and So. Afr. 64/11, 345, respectively. The first two digits represent the year of issue and are part of the patent number, while the next one or more zeros are not significant but only serve to properly space the patent number. To obtain the Gregorian year of issue associated with Japanese patent numbers, 25 must be added to the first two digits, which represent the number of years that the current Emperor has been reigning. Thus, the 39 in the above example represents the year 1964. The abbreviations of countries as used in the index will be found in Appendix 1 to these instructions.

SECTION 3

Section 3, Patent Assignees or Owners, lists corporate or individual holders of the patent assignation at the time the patent was issued. The listing is alphabetical. In most cases where the corporate or individual name begins with initials, the name appears under the first full word of the name. Thus, A. B. Dick Co. will be found as Dick A B Co. Cross references are given to properly direct the reader to the entry form used. In other cases commonly known abbreviations of corporate titles are used. Thus, Minnesota Mining and Mfg. Co. appears as MMM Co. and E. I. du Pont de Nemours & Co. as du Pont. A listing of the most common abbreviations used will be found in Appendix 2 to these instructions.

SECTION 4

Section 4, Subjects by Descriptor, is an alphabetical listing of valid descriptors as they appear in the Thesaurus of Photographic Science and Engineering Terms with "see also" terms to refer the user to additional descriptors of related, broader or narrower interest. Abstracts indexed with descriptors not contained in the present Thesaurus have been reindexed to agree with the Thesaurus where possible. In some cases "see" terms are included to refer the user to a preferred term where the term does not appear in the index. Through the years APSE editors have endeavored to apply both broad and narrower terms in indexing abstracts, but some inconsistencies exist and the user should refer to the Thesaurus in selecting terms to structuring his queries. In this way the query will include valid terms of broader and narrower scope, and of related interest shown in the Thesaurus.

APPENDIX 1

COUNTRY ABBREVIATIONS

ABBREVIATION	COUNTRY	ABBREVIATION	COUNTRY
AUSTRAL.	Australia	INDIA	India
AUSTRIAN.	Austria	ITAL.	Italy
BELG.	Belgium	JAPAN.	Japan
BRIT.	Great Britain	NETH.	The Netherlands (Holland)
CAN.	Canadian	POLISH	Poland
CZECH.	Czechoslovakia	SO. AFR.	South Africa
FR.	France	SPANISH	Spain
GER.	Germany	SWISS	Switzerland
GER. APPL.	Germany	U.S.	United States Of America
GER. EAST	East Germany	U.S.S.R.	Union Of Soviet Socialist Republics

PATENT ASSIGNEE ABBREVIATIONS

APPENDIX 2

ABBREVIATION	TERM
AB	Aktiebolag
ACAD	Academy; Academia; Academica; Academie
AG	Aktiengesellschaft
AKAD	Akademi; Akademia; Akademija
AM	America; American; Americano
APPARAT	Apparat; Apparatebau; Apparato; Apparatus; Appariel
APPARATENFAB	Apparatenfabriek
APPL	Applied; Applications
ASSOC	Association; Associated; Association; Associazione
AUTOMAT	Automatique
BRIT	Britain; British
BROS	Brothers
BUR	Bureau, Bureaux
BUS	Business
CHEM	Chemica; Chemical; Chemie
CHIM	Chimica; Chimie; Chimiques
CIV	Civile
CO	Company
COMM	Commission
CORP	Corporation
DEVEL	Development
DOC	Documentation
EIDG	Eidgenoschisse
ELEC	Electric; Electrical; Electricity; Electrique
ELECTROIND	Electroindustrie
ELECTRON	Electronica; Electronic
ELEK	Elektrizitats; Elektrische
ELEKTROIND	Elektroindustsie
ELEKTROSTAT	Elektrostatik
ENG	Engineering
ETAB	Etablissements
FIZ	Fizica; Fiziki; Fizyki
FOT	Fotografiscke
FOTOCHEM	Fotochemische; Fotochemique
GEN	General
GMBH	Gesellschaft mit beschraenkter Haftung (GmbH)
HM	Her Majesty's
INC	Incorporated
INCOL	Incollatrici
IND	Industries; Industry
INFORM	Information; Informatsii
INST	Institut; Institute; Institution
INSTR	Instrument

APPENDIX 2

ABBREVIATION	TERM
INTERCHEM	Interchemical
INTERM	Intermediate
KAZ	Kazan
KG	Kampfgeschwader
KK	Kabushiki Kaisha
LAB	Laboratory; Laboratorium
LTD	Limited
MACH	Machine
MEC	Mechanique; Mechanical
MEKH	Mekhaniki
MFG	Manufacturing
MOT	Motion
N	North
NATL	National
NV	Naamlose Vernootschap
OPS	Operations
OPT	Optical; Optik; Optisch
OPTICOMECH	Opticomechanical
ORG	Organic; Organique; Organisch
PHOT	Photographic; Photography
PHOTOTECH	Photechnischer
PHYS	Physical; Physiques
PICT	Picture
PUBL	Publications
RAP	Rapide
RECH	Recherches
RES	Research
SA	Society Anonyme
SCI	Scientia; Scientifii; Scientifique
SOC	Societe; Society
SPA	Societa per Azioni (SpA)
ST	Saint
STD	Standard
TECH	Technica; Technical; Technique
TECHN	Technisch
TECHNOL	Technological; Technologique; Technology
TEKH	Tekhnicheskii, Tekhnik; Tekhnika
TEL	Telephone; Telegraph
U K	United Kingdom
UKR	Ukrainian; Ukrainskii
UKRAIN	Ukrainian; Ukrainskii
UNIV	University
U S	United States
USA	United States of America
USSR	Union of Soviet Socialist Republics
VEB	Volkseigener Betrieb
WISS	Wissenschaften; Wissenschaftlich

SECTION 1

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863.. 362/69P
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812.. 133/69P
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694.. 195/69P

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335.. 517/69P
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213.. 166/69P
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696.. 972/69P
995.. 143/69P
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1,482,244..2431/69P
774..2149/69P
871.. 366/69P
1,483,058..2511/69P
153..2371/69P
247..1065/69P
1,484,651..2464/69P
742..2431/69P
839.. 129/69P
1,485,767..2430/69P
986.. 476/69P
..1632/69P
1,487,313.. 365/69P
1,488,125..1255/69P
986.. 135/69P
1,489,146..1532/69P
929..1859/69P
1,491,080..1105/69P
636..1925/69P
1,492,132..1266/69P
1,493,546..2533/69P
1,494,550.. 112/69P
614.. 941/69P
1,496,078.. 367/69P
295.. 970/69P
594..2518/69P
596.. 821/69P
598..2515/69P
1,497,142.. 168/69P
202..2432/69P
400..1931/69P
720..2529/69P
1,498,072..1384/69P
210..1389/69P
724.. 972/69P
1,499,525..2150/69P
771..1555/69P
1,500,125..2513/69P
218..1421/69P
438.. 971/69P
1,502,320..2093/69P
1,503,115..2467/69P
130..1256/69P
222..1249/69P
373..1250/69P
469..2129/69P
522.. 374/69P
1,504,343..1918/69P
887..1919/69P
1,505,078.. 597/69P
815.. 770/69P
1,507,404..1840/69P
1,508,682..2527/69P
765.. 517/69P
1,509,687..1557/69P
920..1585/69P
1,510,434..2461/69P
1,511,334.. 108/69P
335.. 107/69P
336.. 977/69P
559.. 155/69P
809..1083/69P
1,512,036..1452/69P
329.. 417/69P
650..1078/69P
1,513,034.. 284/69P
906..2562/69P
1,514,202..1295/69P
1,515,642.. 163/69P
1,517,446.. 985/69P
1,519,130..1600/69P
443.. 167/69P
519.. 133/69P
1,520,456..1393/69P
991.. 165/69P
992.. 166/69P

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1,521,776..1576/69P
924..2458/69P
925.. 956/69P
1,522,181.. 973/69P
182.. 974/69P
1,523,626..2517/69P
1,525,474..1374/69P
1,526,505.. 104/69P
1,528,606..2145/69P
1,531,274.. 120/69P
.. 125/69P
1,532,152.. 812/69P
696..2177/69P
842..1114/69P
1,534,173..2227/69P
463..1917/69P
1,536,962.. 590/69P
1,539,657..1892/69P
1,543,644..2495/69P
694..2164/69P
1,544,690..1842/69P
1,553,434..2175/69P
1,563,581..1754/69P

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1,248,068..2366/69P
1,281,844..2162/69P
1,472,882..2426/69P
894..2524/69P

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1,152,883.. 151/69P
1,156,651.. 383/69P
1,169,291.. 315/69P
1,171,737.. 406/69P
.. 412/69P
739..1440/69P
1,173,336.. 623/69P
1,175,072.. 422/69P
078..1633/69P
1,177,482..1103/69P
485.. 490/69P
1,178,297.. 415/69P
1,179,109.. 375/69P
.. 600/69P
1,182,066..1573/69P
067.. 162/69P
523.. 414/69P
1,183,372.. 373/69P
1,185,811.. 372/69P
1,186,743.. 161/69P
1,187,928.. 382/69P
1,189,382..1538/69P
851.. 314/69P
1,190,330.. 427/69P
.. 429/69P
335.. 377/69P
336..1099/69P
1,191,689.. 399/69P
1,199,612.. 159/69P
1,200,015.. 547/69P
679.. 317/69P
.. 581/69P
1,202,136.. 385/69P
..1574/69P
637..1598/69P
1,203,129.. 403/69P
605.. 402/69P
1,205,118..1436/69P
1,206,728..1076/69P
1,211,486.. 310/69P
1,213,240.. 424/69P
241.. 262/69P
739.. 172/69P
1,214,083.. 70/69P
084.. 360/69P
1,216,337.. 357/69P
1,219,792.. 545/69P
1,220,733..2372/69P
1,222,797.. 489/69P
1,224,147.. 650/69P
494.. 334/69P
..1843/69P
1,227,810..1345/69P
1,232,206..1283/69P
821..1104/69P

GER. APPL.-CONTD.

1,235,142.. 641/69P
745.. 531/69P
1,236,319.. 532/69P
320.. 533/69P
321.. 534/69P
322.. 535/69P
334.. 525/69P
335.. 642/69P
933.. 728/69P
1,237,397..1137/69P
432.. 783/69P
434.. 643/69P
590.. 367/69P
789.. 291/69P
896..1352/69P
1,238,685.. 449/69P
772.. 284/69P
774.. 481/69P
..1135/69P
775.. 486/69P
1,239,198.. 133/69P
569..2069/69P
942..1502/69P
943.. 536/69P
944.. 644/69P
1,240,296.. 729/69P
651..1033/69P
734.. 701/69P
738..1060/69P
884..1288/69P
1,241,262.. 411/69P
1,242,094.. 416/69P
449.. 941/69P
1,243,805.. 823/69P
1,244,557.. 730/69P
583..1167/69P
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1,247,329.. 774/69P
1,248,016.. 802/69P
470.. 645/69P
1,249,086..1714/69P
295.. 356/69P
683..1837/69P
690..1084/69P
1,250,314.. 699/69P
736.. 126/69P
804.. 824/69P
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760..1051/69P
774.. 799/69P
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529..2071/69P
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312.. 835/69P
577..1146/69P
579..1438/69P
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020.. 903/69P
126.. 957/69P
346.. 149/69P
963..1042/69P
1,255,484.. 70/69P
..1541/69P
670.. 468/69P
912..1567/69P
1,256,062..1454/69P
532..1718/69P
1,257,170..1437/69P
302.. 790/69P
570.. 262/69P
572..1934/69P
576..1079/69P
1,258,234..1112/69P
257..1455/69P
268..1507/69P
415..1216/69P
427.. 355/69P
428.. 352/69P
1,259,091.. 378/69P
201.. 592/69P
305.. 958/69P
558..1887/69P
666..1113/69P
692.. 379/69P
700.. 262/69P
701.. 262/69P
707..1439/69P
1,260,132..1114/69P
268..1935/69P
305..2391/69P
965.. 800/69P
974..1880/69P

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1,262,756..1405/69P
762..2070/69P
1,263,487..1508/69P
505.. 320/69P
506..1704/69P
507.. 537/69P
921..1085/69P
1,264,098..1147/69P
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1,265,146.. 753/69P
575..1503/69P
578..1581/69P
583.. 949/69P
790..1504/69P
1,266,093..1148/69P
626..1888/69P
628..1014/69P
641.. 324/69P
644.. 491/69P
645.. 591/69P
1,267,533..1406/69P
964.. 526/69P
974..2197/69P
1,268,356..1569/69P
657.. 989/69P
964..1182/69P
969..1043/69P
1,269,141..1086/69P
483.. 152/69P
487..1635/69P
565..1390/69P
1,270,111.. 825/69P
298.. 836/69P
950.. 791/69P
1,271,196..1092/69P
391..1570/69P
542..1001/69P
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316.. 792/69P
369..1115/69P
679.. 826/69P
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326.. 942/69P
564..1087/69P
1,274,621..1088/69P
622..1089/69P
655..1093/69P
884..1149/69P
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611..1094/69P
860.. 865/69P
1,277,004..1509/69P
013..2367/69P
553..1571/69P
580.. 517/69P
583..1466/69P
660..1015/69P
661..1016/69P
669..2368/69P
923..1095/69P
1,278,224..1510/69P
239..1371/69P
240..1034/69P
241.. 793/69P
242.. 951/69P
243.. 950/69P
1,279,444..1017/69P
1,280,267..1388/69P
578.. 873/69P
663..1505/69P
675.. 952/69P
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1,282,444..1588/69P
445.. 322/69P
450.. 596/69P
458..1584/69P
1,285,881..1597/69P
1,288,414..1891/69P
1,290,811..1592/69P
812..1582/69P
1,447,736..1542/69P
942..1543/69P
1,471,668..1551/69P

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49,395..1407/69P

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43,004,938..1053/69P
43,029,416..2183/69P
44,003,661..2185/69P
664..2186/69P

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44,801..1833/69P
7,566,068..2436/69P
39,008,143..1440/69P
39,015,715.. 411/69P
40,023,666.. 149/69P
41,011,069.. 591/69P
905.. 375/69P
.. 600/69P
41,015,466.. 327/69P
41,020,388.. 360/69P
389.. 162/69P
591.. 170/69P
41,036,215..1074/69P
42,005,476.. 801/69P
582.. 173/69P
590.. 354/69P
42,008,806.. 428/69P
42,010,516.. 561/69P
42,011,301.. 422/69P
306..1107/69P
308.. 324/69P
42,013,214.. 423/69P
215..1598/69P
218..1595/69P
234.. 341/69P
238..1388/69P
42,014,084.. 318/69P
107.. 650/69P
112.. 945/69P
42,016,987..1108/69P
42,018,650.. 384/69P
42,019,751.. 593/69P
42,021,875.. 593/69P
42,023,902.. 625/69P
911..1548/69P
42,025,230.. 593/69P
43,002,602.. 150/69P
622.. 946/69P
633..1387/69P
634..1387/69P
43,003,431.. 415/69P
43,004,134.. 622/69P
930..1421/69P
932.. 168/69P
43,005,859.. 366/69P
43,007,569..1103/69P
570.. 624/69P
586..1858/69P
588.. 135/69P
43,010,247..1588/69P
257.. 320/69P
767.. 385/69P
..1574/69P
799..1857/69P
43,013,164.. 813/69P
485..1585/69P
487.. 70/69P
..1541/69P
497..1586/69P
499..1572/69P
43,014,518..1387/69P
43,016,188.. 172/69P
190.. 421/69P
43,017,921..1837/69P
948.. 955/69P
43,019,161.. 142/69P
164.. 602/69P
43,021,762.. 365/69P
766.. 960/69P
788.. 794/69P
790.. 345/69P
43,022,622.. 789/69P
881.. 617/69P
882.. 816/69P
884..1265/69P
900.. 818/69P
908.. 953/69P
909.. 795/69P
912.. 796/69P
43,024,744..1929/69P
43,027,562..2433/69P
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43,028,402..1136/69P
43,029,407..2150/69P
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414..2181/69P
415..2182/69P
417..2184/69P
44,002,003..2151/69P
016..2528/69P
553..1555/69P
44,003,660..2529/69P

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288,574..1371/69P
297,157.. 591/69P
6,402,881.. 771/69P
6,404,649.. 327/69P
916.. 467/69P
6,406,974.. 106/69P
6,407,303.. 325/69P
905.. 413/69P
6,408,500.. 343/69P
771.. 357/69P
823.. 353/69P
6,409,220.. 345/69P
231.. 312/69P
328.. 478/69P
339.. 350/69P
341.. 648/69P
.. 650/69P
899.. 278/69P
929.. 347/69P
932.. 354/69P
6,410,312..1060/69P
895.. 351/69P
6,411,867.. 596/69P
6,412,172.. 197/69P
506.. 428/69P
6,414,484..1382/69P
808..1837/69P
815..1108/69P
6,500,493..1436/69P
6,501,015.. 561/69P
6,503,441.. 423/69P
517.. 152/69P
524.. 481/69P
..1135/69P
6,504,708..1104/69P
797.. 127/69P
910.. 199/69P
6,505,529.. 142/69P
6,506,284.. 320/69P
471.. 324/69P
934..1107/69P
6,507,110.. 328/69P
482..1549/69P
549.. 362/69P
864..1091/69P
6,508,886.. 361/69P
6,509,024.. 155/69P
167.. 356/69P
590.. 262/69P
964.. 134/69P
6,510,643.. 70/69P
853.. 133/69P
924.. 374/69P
6,511,745.. 359/69P
.. 363/69P
838.. 484/69P
6,512,040.. 365/69P
091.. 364/69P
844.. 329/69P
6,513,061..1141/69P
638..1596/69P
773.. 143/69P
6,514,028.. 709/69P
476..1597/69P
6,600,252.. 367/69P
6,601,456..1730/69P
556..1136/69P
6,602,332.. 940/69P
652..2504/69P
6,603,912..1090/69P
6,604,218..1839/69P
257.. 344/69P
651..1857/69P
6,605,890..2431/69P

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6,605,891..2431/69P
6,606,414..1379/69P
593..1423/69P
741..2430/69P
6,607,192..1082/69P
..1097/69P
222..1582/69P
383..1581/69P
628..1065/69P
632..2533/69P
993..1599/69P
6,608,504..2145/69P
711..2144/69P
6,609,014..2166/69P
194.. 797/69P
429.. 476/69P
..1632/69P
650..1841/69P
6,610,037..1842/69P
6,612,597.. 970/69P
598.. 971/69P
6,613,420.. 814/69P
6,614,290.. 821/69P
847..2150/69P
881..1555/69P
6,615,207..2518/69P
6,616,937..2129/69P
6,617,058..1256/69P
308..1918/69P
817.. 770/69P
911..1295/69P
6,618,044..1840/69P
6,700,716..2527/69P
6,701,698.. 108/69P
699.. 107/69P
6,702,133.. 977/69P
919.. 163/69P
6,703,421..1600/69P
6,704,183.. 590/69P
6,705,734..1892/69P
823.. 165/69P
6,706,468..2517/69P
575..2458/69P
6,707,544..1351/69P
6,709,016..1917/69P
502..1894/69P
924.. 120/69P
.. 125/69P
6,713,300..1566/69P
410.. 786/69P
6,714,985..2495/69P
6,717,551.. 798/69P
6,800,431..1296/69P
6,801,611.. 954/69P
6,803,352..1607/69P
714..1095/69P
6,807,462..1111/69P
463..1754/69P

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6,609,111..1631/69P
6,703,262..2562/69P

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64,003,544.. 357/69P
64,004,360..1060/69P
65,000,463.. 423/69P
65,001,415.. 152/69P
65,003,001.. 130/69P
.. 131/69P
778.. 356/69P
65,004,678.. 484/69P
66,001,123..1080/69P
781..1857/69P
66,003,210..1581/69P
66,006,720..1393/69P
66,007,082.. 597/69P
464..2129/69P
803..1840/69P
67-1402 ..2562/69P

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399,172.. 403/69P

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425,461.. 312/69P
426,477.. 149/69P
430,448..1440/69P
432,239.. 417/69P
436,983.. 162/69P
984.. 173/69P
438,931..1103/69P
936.. 152/69P
439,963..1596/69P
440,966.. 423/69P
967..1597/69P
968..1595/69P
443,897.. 414/69P
446,054.. 410/69P
057.. 418/69P
066.. 421/69P
447,806..1104/69P
450,163..2504/69P
454,617..1574/69P

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26,595..1763/69P
2,927,210.. 531/69P
3,090,300.. 840/69P
3,124,504.. 379/69P
3,146,284.. 378/69P
3,148,060.. 490/69P
3,156,172..2641/69P
3,167,256.. 540/69P
3,177,792..1729/69P
3,178,567..2614/69P
3,180,215..2627/69P
3,181,461.. 477/69P
3,185,066..2647/69P
3,190,752.. 411/69P
3,195,411..2592/69P
3,199,404..2642/69P
982.. 772/69P
3,206,309.. 315/69P
600.. 352/69P
3,207,455.. 266/69P
3,213,753..2656/69P
770.. 525/69P
3,218,167.. 939/69P
3,232,756.. 988/69P
3,236,429.. 188/69P
3,237,515..2354/69P
3,239,602..2542/69P
824.. 204/69P
3,244,640.. 957/69P
3,246,600..2462/69P
3,247,495.. 205/69P
3,249,032..1763/69P
3,250,197..2582/69P
3,253,919.. 976/69P
3,255,077.. 771/69P
3,260,198.. 468/69P
604.. 430/69P
3,261,023.. 357/69P
3,264,103.. 111/69P
3,265,263..1183/69P
3,267,848.. 478/69P
3,271,149.. 196/69P
151..1136/69P
3,272,644.. 353/69P
3,276,360.. 195/69P
3,278,679.. 119/69P
3,279,317..2639/69P
3,280,734.. 477/69P
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206..1058/69P
3,285,746..2463/69P
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117..2443/69P
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119..2445/69P
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121..2447/69P
122..2448/69P
123..2449/69P
136..2424/69P
816..2067/69P
3,289,531..2643/69P
558..1182/69P
3,291,607..1098/69P
3,294,536.. 376/69P

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3,295,976.. 153/69P
980.. 815/69P
981..1106/69P
3,297,317.. 546/69P
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3,298,773..1484/69P
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3,301,127.. 987/69P
3,307,941..1550/69P
3,308,737.. 537/69P
3,309,202.. 484/69P
3,310,401.. 354/69P
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548.. 782/69P
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3,316,095..1110/69P
3,317,322..1370/69P
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3,325,409.. 591/69P
3,326,709.. 947/69P
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3,330,663.. 70/69P
3,331,689.. 584/69P
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3,335,010.. 293/69P
273.. 277/69P
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651.. 541/69P
3,338,149..1965/69P
3,339,470..1966/69P
3,340,061..1150/69P
195.. 485/69P
3,341,329..1292/69P
3,342,595.. 359/69P
.. 363/69P
596.. 398/69P
.. 404/69P
600.. 427/69P
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604.. 365/69P
3,345,169..1082/69P
..1097/69P
176.. 193/69P
927.. 890/69P
3,346,255.. 891/69P
369.. 892/69P
679..1969/69P
3,347,702.. 784/69P
960.. 603/69P
3,351,298.. 728/69P
467.. 596/69P
697.. 604/69P
3,353,469.. 464/69P
984.. 318/69P
3,354,464.. 592/69P
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807..1293/69P
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833.. 406/69P
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969..1251/69P
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3,361,563.. 360/69P
3,362,797..1223/69P
819.. 380/69P
820..2493/69P
821.. 399/69P
826.. 381/69P
3,364,021.. 787/69P
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032..2501/69P
044.. 372/69P
192.. 465/69P
496.. 500/69P
816.. 518/69P
833..1020/69P
834..1759/69P
3,365,293.. 319/69P
295.. 382/69P
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324.. 341/69P
3,368,470..2228/69P
472.. 400/69P
525..1253/69P
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899.. 102/69P

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3,368,931.. 547/69P
3,369,469..1760/69P
470..1761/69P
471.. 903/69P
473..1762/69P
904.. 409/69P
3,370,132.. 834/69P
518.. 646/69P
948..2550/69P
949.. 321/69P
3,372,027.. 948/69P
031.. 312/69P
160.. 410/69P
630..2076/69P
675.. 121/69P
3,373,019..1727/69P
021.. 647/69P
141.. 122/69P
674..1021/69P
755..1022/69P
3,374,094..1065/69P
095.. 372/69P
.. 375/69P
.. 600/69P
724.. 466/69P
734.. 648/69P
769..2138/69P
3,375,114.. 411/69P
593..1023/69P
770..1024/69P
806..2139/69P
3,376,852..1373/69P
3,377,056..1025/69P
167..1090/69P
170.. 361/69P
913.. 530/69P
938..1026/69P
3,378,372.. 467/69P
373.. 149/69P
645.. 788/69P
3,379,113..1027/69P
114..1028/69P
127.. 355/69P
436..2615/69P
527.. 342/69P
529.. 401/69P
531..1839/69P
533..1352/69P
553.. 123/69P
597..1029/69P
727.. 406/69P
.. 412/69P
801.. 601/69P
879.. 542/69P
3,380,070.. 124/69P
365..2367/69P
367..1294/69P
437.. 125/69P
678..1030/69P
679.. 543/69P
828..2513/69P
830.. 322/69P
3,381,599..1171/69P
3,382,074.. 384/69P
075..2509/69P
782.. 544/69P
789..1172/69P
790..1173/69P
796..1066/69P
3,383,210.. 428/69P
211.. 468/69P
214.. 421/69P
215.. 413/69P
505..1388/69P
507..1679/69P
777..1744/69P
781..1703/69P
977..1750/69P
995..1751/69P
997..1443/69P
3,384,436..1702/69P
437..1620/69P
484.. 422/69P
486..1592/69P
897..1444/69P
901..1445/69P
3,385,162..1701/69P
185..2658/69P
190..2659/69P
191..1708/69P
699.. 343/69P
700.. 362/69P

U.S.-CONTD.

3,385,704.. 414/69P
706.. 423/69P
708.. 415/69P
3,386,195..1700/69P
355.. 259/69P
356..2660/69P
360..1713/69P
551.. 595/69P
674..1699/69P
675..1698/69P
676..1697/69P
791..1619/69P
823.. 136/69P
830.. 170/69P
831.. 159/69P
850.. 605/69P
3,387,533..1714/69P
535..1694/69P
545..1758/69P
547..1707/69P
548.. 192/69P
586..1374/69P
755..1430/69P
933..1283/69P
3,388,994..1602/69P
995..1543/69P
3,389,994..1108/69P
996..1835/69P
3,390,467..1696/69P
607..1695/69P
608..1728/69P
620..2012/69P
621..1749/69P
933..1552/69P
987.. 126/69P
989.. 127/69P
990..1603/69P
992..1553/69P
996.. 142/69P
3,391,082..1857/69P
247..1434/69P
421.. 606/69P
625..1741/69P
971..1690/69P
977..1691/69P
979..1692/69P
3,392,018..1375/69P
021..1097/69P
139..2140/69P
235..1617/69P
281.. 730/69P
626.. 880/69P
627..1693/69P
644..1478/69P
646..1742/69P
650..1706/69P
652.. 524/69P
.. 640/69P
653.. 278/69P
3,393,040.. 171/69P
041.. 172/69P
318..1452/69P
404..1446/69P
604.. 731/69P
619..1475/69P
623..1705/69P
847..1456/69P
958.. 270/69P
960..1457/69P
3,394,004.. 152/69P
006.. 150/69P
476..1458/69P
477..1459/69P
478..1460/69P
975.. 271/69P
3,395,014.. 111/69P
017..2425/69P
474..1461/69P
609..2661/69P
610..1067/69P
842..1462/69P
962.. 272/69P
3,396,017..1268/69P
018.. 174/69P
023..1925/69P
024..1367/69P
026..1562/69P
028..2510/69P
029.. 373/69P
046..1891/69P
243..1447/69P
646.. 545/69P

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3,396,647..1604/69P
648..2075/69P
650..1757/69P
700..1068/69P
3,397,024.. 273/69P
059..1091/69P
060..1265/69P
303..1743/69P
404..1069/69P
405..2370/69P
611..1492/69P
..2662/69P
612..1336/69P
613..1331/69P
627..1070/69P
628..1545/69P
630..1836/69P
827..1463/69P
983..1440/69P
984..2510/69P
987..1266/69P
3,398,259..1546/69P
336..1376/69P
635.. 323/69P
665..1467/69P
667..1468/69P
909..1275/69P
914..1276/69P
3,399,011..1469/69P
073.. 607/69P
610..1071/69P
611..1254/69P
842..1688/69P
844..1277/69P
845..1278/69P
940..1721/69P
943.. 510/69P
3,400,213..1072/69P
631..1722/69P
646..1470/69P
647..1471/69P
648.. 469/69P
897..1279/69P
925.. 470/69P
994.. 511/69P
3,401,037..1377/69P
394..1448/69P
398..1449/69P
404.. 424/69P
615..1472/69P
616.. 471/69P
617..1165/69P
618..1733/69P
897..1280/69P
898..1281/69P
3,402,000..1473/69P
006..1464/69P
045.. 472/69P
.. 482/69P
073..1391/69P
111..1392/69P
260..1435/69P
300..1554/69P
428..1399/69P
489..1465/69P
635..1723/69P
650..2663/69P
651..1166/69P
656..1174/69P
659..1073/69P
660..2364/69P
698..1074/69P
811..1738/69P
812..1736/69P
928..2365/69P
983..2031/69P
3,403,019..1378/69P
023..1379/69P
024.. 649/69P
042..1400/69P
449.. 473/69P
3,404,001..1380/69P
002..1099/69P
003.. 105/69P
033..2141/69P
980..1100/69P
981..1096/69P
982..1107/69P
3,405,456..1737/69P
615.. 474/69P
616.. 475/69P
617..1752/69P

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3,405,618..2093/69P
622..1474/69P
626..1175/69P
628..1735/69P
682..1075/69P
683..1076/69P
882..1689/69P
3,406,060..1381/69P
061..1382/69P
063.. 945/69P
064..1606/69P
065.. 650/69P
067.. 476/69P
..1632/69P
071..1060/69P
119..2168/69P
194..1418/69P
382..1724/69P
655..1725/69P
3,407,043..1224/69P
064.. 344/69P
065.. 331/69P
066.. 106/69P
068.. 101/69P
.. 102/69P
093..1077/69P
186..1401/69P
272..1431/69P
715..1138/69P
717..1181/69P
718..1151/69P
3,408,133..1152/69P
135.. 512/69P
138..1145/69P
139..1325/69P
141..1726/69P
191.. 332/69P
192..2128/69P
199.. 160/69P
3,409,346.. 513/69P
429.. 199/69P
431.. 597/69P
433.. 162/69P
435.. 161/69P
439.. 173/69P
3,410,632.. 514/69P
685.. 151/69P
824.. 292/69P
3,411,423..1732/69P
424..2649/69P
846..1078/69P
906.. 324/69P
909.. 313/69P
910.. 616/69P
911..2511/69P
912..2502/69P
914.. 416/69P
917..1053/69P
936..1855/69P
937..1856/69P
3,412,044..2192/69P
664..1753/69P
3,413,122.. 316/69P
123.. 374/69P
181..1915/69P
409..1289/69P
410..1129/69P
904..2650/69P
3,414,353..2644/69P
409..2460/69P
410..1876/69P
423..1389/69P
568..1214/69P
3,415,224..2142/69P
592.. 515/69P
..1709/69P
644..1607/69P
647..1423/69P
648.. 333/69P
649.. 417/69P
650..1247/69P
651.. 402/69P
652..1109/69P
698..1135/69P
945..1290/69P
988..1141/69P
3,416,427..1044/69P
866..2057/69P
920.. 314/69P
921.. 819/69P
922..1064/69P
925.. 325/69P

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3,416,926..1563/69P
3,417,019..1547/69P
055.. 768/69P
082..1049/69P
686..2651/69P
934..1740/69P
3,418,038..1153/69P
039.. 877/69P
040.. 878/69P
121.. 626/69P
125.. 580/69P
129.. 625/69P
130.. 561/69P
217..1079/69P
225.. 291/69P
905..1337/69P
911..1739/69P
912..1734/69P
3,419,325..1143/69P
327..1167/69P
394.. 769/69P
395.. 581/69P
396.. 582/69P
411..2143/69P
460..2166/69P
937.. 583/69P
3,420,602..1009/69P
608..1338/69P
662..1080/69P
665..1061/69P
666..1062/69P
668.. 624/69P
3,421,422..2616/69P
425..1339/69P
891.. 593/69P
892..1111/69P
893..1754/69P
894..1393/69P
895.. 770/69P
3,422,075..1050/69P
736.. 651/69P
3,423,204..1176/69P
3,424,074..1755/69P
582..1394/69P
583..1593/69P
584..1402/69P
586..1103/69P
742..2530/69P
3,425,830..1383/69P
3,426,664..1756/69P
678..1967/69P
3,427,159..1605/69P
161.. 940/69P
3,428,386..1154/69P
453.. 789/69P
.. 946/69P
503..1968/69P
3,429,243..1485/69P
247..2632/69P
701..1384/69P
702..2551/69P
703..1295/69P
706..1395/69P
707.. 813/69P
795.. 956/69P
872..1215/69P
961..1403/69P
997..1155/69P
3,431,106..1385/69P
110..1104/69P
260..1419/69P
412..2464/69P
3,432,297..2552/69P
300..2503/69P
301..1837/69P
304..1267/69P
329..2450/69P
3,433,558..2355/69P
559..2058/69P
633..1424/69P
635..1425/69P
638..1572/69P
640..1585/69P
950..2610/69P
3,434,834..1386/69P
837..1594/69P
838..1542/69P
839..2167/69P
842..1586/69P
3,435,749..2652/69P
3,436,145..2356/69P
215..1555/69P

U.S.-CONTD.

3,436,217..1633/69P
283..2553/69P
3,437,483..1573/69P
3,438,773..1387/69P
774..1587/69P
776..2426/69P
778..1436/69P
3,439,598..2617/69P
600..2664/69P
3,440,045..1548/69P
049..2494/69P
3,441,412..1538/69P
413..1588/69P
426..2451/69P
505..2452/69P
3,442,039..2626/69P
041..2665/69P
192..2618/69P
508..2539/69P
569..2633/69P
645..1549/69P
652..2436/69P
655..2162/69P
682..2465/69P
3,443,498..2619/69P
573..2634/69P
855..2657/69P
946..1574/69P
947..1595/69P
949..1596/69P
950..1575/69P
952..1597/69P
954..1598/69P
3,444,110..2522/69P
372..2472/69P
798..2620/69P
809..2466/69P
3,445,158..2621/69P
226..2554/69P
235..1589/69P
626..2453/69P
690..2504/69P
3,446,621..1581/69P
3,447,436..2388/69P
437..2389/69P
440..2622/69P
442..2623/69P
858..2635/69P
944..2467/69P
3,449,294..1843/69P
3,450,532..2473/69P
3,451,813..2146/69P
814..2531/69P
815..2532/69P
819..2427/69P
820..2598/69P
3,453,109..2169/69P
113..2505/69P
3,455,217..2555/69P
632..2645/69P
683..2474/69P
694..2428/69P
3,458,250..2636/69P
254..2646/69P
371..2556/69P
3,460,947..2506/69P
3,462,267..2557/69P
270..2523/69P
273..2479/69P
3,463,640..2507/69P

U.S. DEF PUB

66-571,633..2227/69P
66-572,032..1952/69P
66-580,216..1928/69P
68-701,845..1213/69P
68-708,476..1862/69P
68-752,509..1914/69P
68-758,698..1873/69P
68-763,397..1874/69P
68-766,370..1875/69P
68-768,921..1264/69P
68-788,071..1924/69P
076..2500/69P

U.S.S.R.

102,738..1590/69P
188,300..1920/69P
227,098..1601/69P

SECTION 3

PATENT ASSIGNEES OR OWNERS

A

A B DICK CO
SEE
DICK A B CO
A D LITTLE
SEE
LITTLE A D
AB SVENSKA FLAKTFABRIKEN
1025/69P
ADDRESSOGRAPH-MULTIGRAPH
1061/69P 1070/69P 1374/69P 1545/69P
1546/69P 2067/69P
ADDRESSOGRAPH-MULTIGRAPH CORP
1967/69P
ADMEL INTERNATIONAL LTD
1497/69P
ADOX
1577/69P
AEROFLEX
1707/69P
AFGA AG
162/69P
AGFA AG
149/69P 151/69P 159/69P 161/69P
291/69P 310/69P 317/69P 372/69P
372/69P 373/69P 375/69P 381/69P
382/69P 383/69P 385/69P 402/69P
403/69P 406/69P 412/69P 414/69P
415/69P 419/69P 422/69P 500/69P
525/69P 581/69P 600/69P 1103/69P
1135/69P 1367/69P 1475/69P 1484/69P
1573/69P 1574/69P 1598/69P 1620/69P
1633/69P
AGFA AKTIENGESELLSCHAFT
2641/69P 2653/69P
AGFA FILMFABRIK VEB
SEE
ORWO, WOLFEN
AGFA-GEVAERT
70/69P 133/69P 135/69P 160/69P
262/69P 284/69P 334/69P 367/69P
374/69P 424/69P 519/69P 534/69P
865/69P 1143/69P 1148/69P 1267/69P
1454/69P 1455/69P 1461/69P 1462/69P
1468/69P 1470/69P 1502/69P 1541/69P
1582/69P 1586/69P 1600/69P 1688/69P
1714/69P 1723/69P 1741/69P 1880/69P
1934/69P 2065/69P 2391/69P 2616/69P
SEE ALSO
GEVAERT-AGFA
AGFA-GEVAERT AG
1095/69P
ALFRED GAUTHIER
2660/69P
ALGRAPHY LTD
109/69P
AM CAN
1292/69P
AM CYANAMID
361/69P
AM OPT
1552/69P
AM PHOTOCOPY EQUIP
1067/69P 1253/69P
AM ZINC CO
1385/69P
AMPEX
1283/69P 2192/69P
ANDREW SMITH HARKNESS LTD
267/69P
ARLSIDE LTD
2455/69P
ASAHI KOGAKU KOGYO
2635/69P 2664/69P
ASAHI OPT IND LTD
709/69P 1160/69P 2062/69P
ATOMIQUE ENERGIE COMM
ATOMIQUE ENERGIE COMM/CONTD/
1156/69P
AUSTRALIA COMMONWEALTH OF
1081/69P 1375/69P 1382/69P
AUSTRALIA RES LABS OF
591/69P 945/69P
AVISUN
1399/69P
AZOPLATE
105/69P 126/69P 648/69P 650/69P
1064/69P 1076/69P 1436/69P 1548/69P
2439/69P 2440/69P 2441/69P 2442/69P
2443/69P 2444/69P 2445/69P 2446/69P
2447/69P 2448/69P 2449/69P

B

BADISCHE ANILIN + SODA FABRIK
836/69P 1216/69P
BADISCHE ANILIN + SODA-FABRIK
774/69P
BADISCHE ANILIN-+ SODA-FABRIK AG
1114/69P
BALL BROS INC
1298/69P
BANKERS TRUST CO
1693/69P
BARR + STROUD LTD
479/69P
BASSAN, M
2148/69P
BAUCHET + CIE
322/69P
BAUCHET CIE
329/69P
BAUSCH + LOMB
1153/69P 2354/69P 2474/69P 2550/69P
BAYER FARBENFABRIKEN
824/69P 1567/69P 1569/69P
BELL + HOWELL
154/69P 1277/69P 1278/69P 1467/69P
1698/69P 1727/69P 1743/69P
BELOCK INSTRUMENT CORP
788/69P
BELOIT
379/69P
BELOIT IRON WORKS
379/69P
BENTELER-WERKE AG
1033/69P
BERNARD OLCOTT
2551/69P
BERTHOLD MESSINGLINIENFAB SCRRFTGSS
644/69P
BEXFORD LTD
1566/69P 1894/69P
BOWENS SALES + SERVICE LTD
1012/69P
BRAINCON CORP
1444/69P
BRAUN AG
1459/69P
BRIT SCI INST RES
2357/69P
BRON ELEKTRONIK AG
1704/69P
BUCKBEE-MEARS
524/69P 640/69P
BURROUGHS
204/69P 1617/69P

C

CAMECA
1699/69P

CAMERA CORP OF AM
1742/69P
CANADIAN KODAK
408/69P 416/69P 582/69P 947/69P
1100/69P 1592/69P
SEE ALSO
KODAK CANADIAN
CANON CAMERA INC
270/69P 1011/69P
CANON CAMERA LTD
1860/69P
CARL ZEISS
517/69P
CARL ZEISS JENA VEB
2348/69P
SEE ALSO
ZEISS CARL JENA
CENTRE NAT RES SCI
2633/69P
CHARLES PFIZER + CO
465/69P
CHEM FABRIEK L.VAN DER GRINTEN
2436/69P
CHEMICAL INVESTORS SA
1406/69P
CHICAGO AERIAL IND
1915/69P
CIBA LTD
152/69P 423/69P 1107/69P 1108/69P
1595/69P 1596/69P 1597/69P 2428/69P
2504/69P
CIBA SA
1107/69P 1108/69P 1595/69P 1730/69P
CO APPL MEC ATOMISTIQUE
1279/69P
COLUMBIA BROADCASTING SYSTEM
1435/69P
COLUMBIA RIBBON + CARBON
355/69P
COLUMBIA RIBBON AND CARBON
2561/69P
COM DE STAT PENTRU CULT SI ARTA
521/69P 1224/69P
COMM ENERGIE ATOMIQUE
SEE
ATOMIQUE ENERGIE COMM
COMPUR-WERK GMBH
1151/69P 1708/69P
CONSOL ELECTRODYNAMICS
1276/69P 1280/69P
CONTINENTAL CAN
134/69P 1066/69P
COPYCAT LTD
2390/69P
CORDIS CORP
1710/69P
CROSFIELD ELECTRONICS LTD
1137/69P 1489/69P 1971/69P
CYANAMID
1091/69P

D

DATA PACKAGING CORP
1503/69P 2398/69P
DATA TRENDS INC
1069/69P
DE ATLAS
321/69P 323/69P
DE HAART INC
2472/69P
DE JUR-AMSCO
1692/69P
DENKI ONKYO LTD
1077/69P
DENNISON MFG
353/69P 1721/69P
DEUTSCHE EDELSTAHLWERKE AG
1115/69P
DICK A B
769/69P
DICK A B CO
344/69P 478/69P
DICK AB CO
1640/69P
DIGITRONICS CORP
1448/69P
DU PONT
101/69P 102/69P 111/69P 142/69P
316/69P 332/69P 589/69P 603/69P
939/69P 1058/69P 1575/69P 1576/69P
DU PONT/CONTD/
1589/69P 1593/69P 1969/69P 2162/69P
2427/69P 2494/69P 2508/69P 2522/69P
2598/69P
DYNACHEM CORP
2557/69P

E

EASTMAN KODAK
144/69P 153/69P 174/69P 195/69P
196/69P 272/69P 293/69P 313/69P
315/69P 341/69P 346/69P 357/69P
376/69P 377/69P 398/69P 401/69P
404/69P 405/69P 408/69P 409/69P
416/69P 430/69P 431/69P 472/69P
482/69P 490/69P 491/69P 515/69P
541/69P 580/69P 582/69P 583/69P
606/69P 607/69P 616/69P 730/69P
768/69P 787/69P 815/69P 877/69P
878/69P 947/69P 976/69P 988/69P
1029/69P 1030/69P 1031/69P 1053/69P
1082/69P 1097/69P 1099/69P 1100/69P
1106/69P 1109/69P 1110/69P 1136/69P
1174/69P 1181/69P 1183/69P 1214/69P
1247/69P 1249/69P 1265/69P 1266/69P
1268/69P 1352/69P 1370/69P 1378/69P
1389/69P 1392/69P 1403/69P 1423/69P
1430/69P 1464/69P 1478/69P 1505/69P
1539/69P 1540/69P 1547/69P 1563/69P
1564/69P 1592/69P 1594/69P 1709/69P
1713/69P 1736/69P 1738/69P 1751/69P
1875/69P 1919/69P 1925/69P 2089/69P
2090/69P 2091/69P 2092/69P 2149/69P
2163/69P 2167/69P 2169/69P 2177/69P
2424/69P 2425/69P 2426/69P 2432/69P
2501/69P 2502/69P 2503/69P 2509/69P
2510/69P 2511/69P 2513/69P 2519/69P
2525/69P 2614/69P 2622/69P 2644/69P
2663/69P
SEE ALSO
KODAK CANADIAN
KODAK LTD
KODAK NV
KODAK PATHE
KODAK SA
EDNALITE
2356/69P 2636/69P
EDO CORP
1449/69P
ELBE-KAMERA GMBH
1509/69P
ELECTRO-OPTICAL SYSTEMS INC
1152/69P
ELEK MAGY HIRADASTECH + FINOMMECH
1487/69P
ELTRA CORP
642/69P
ERNST + WILHELM BERTRAM
2661/69P
ESSOLDOMATIC LTD
2196/69P
EUGEN BAUER GMBH
1619/69P

F

FAIRCHILD CAMERA
1931/69P 2430/69P
FERRANIA
38/69P 425/69P
FIBER INDUSTRIES
2166/69P
FIRMA WERNER MOLL
2549/69P
FMC CORP
1396/69P
FORD INDUSTRIES INC
1504/69P
FRANCIS FOLD LTD
274/69P
FREDERICK POST CO
584/69P
FRIDEN INC
121/69P
FUJI FILM LTD
150/69P 155/69P 164/69P 168/69P
170/69P 173/69P 343/69P 366/69P
384/69P 411/69P 417/69P 418/69P
537/69P 602/69P 617/69P 622/69P

FUJI FILM LTD/CONTD/
624/69P 625/69P 626/69P 789/69P
813/69P 942/69P 946/69P 960/69P
985/69P 1022/69P 1027/69P 1388/69P
1407/69P 1421/69P 1572/69P 1585/69P
1588/69P 1833/69P 1859/69P 1929/69P
2080/69P 2180/69P 2185/69P 2186/69P
2433/69P 2464/69P 2528/69P 2529/69P
SEE ALSO
FUJI SHASHIN KOKI
FUJI SHASHIN
2466/69P
FUJI SHASHIN FILM KOKI
1858/69P
FUJI SHASHIN KOKI
2524/69P
FUJI SHASKIN KOKI
2468/69P
FUJITSU LTD
592/69P

G

G.T.SCHJELDAHL CO
2560/69P
GAF CORP
476/69P 1062/69P 1379/69P 1543/69P
1555/69P 1599/69P 1632/69P 1694/69P
1695/69P 1836/69P 2125/69P 2493/69P
GAF GREAT BRITAIN LTD
106/69P
GEIGY AG
319/69P
GEIMUPLAST PETER MUNDT KG.
729/69P 873/69P 1147/69P
GEN ANILINE + FILM
320/69P 597/69P 890/69P 1098/69P
1835/69P 1839/69P 1840/69P
GEN ELEC
119/69P 122/69P 1445/69P 1750/69P
2141/69P
GEN ELEC LTD
723/69P
GEN MILLS
1405/69P
GEN PRECISION SYSTEMS LTD
2347/69P
GENERAL ANILINE + FILM
2077/69P
GENERAL CO LTD
356/69P 2465/69P
GENERAL TIME CORP
731/69P
GERHARD MENZEL GLASBEARBEITUNGSWERK
1466/69P
GEVAERT
171/69P 172/69P 348/69P 362/69P
400/69P 407/69P 428/69P 467/69P
468/69P 601/69P 623/69P 950/69P
951/69P 1398/69P 1440/69P 1551/69P
1565/69P 1877/69P 2450/69P 2451/69P
2452/69P
GEVAERT-AGFA
107/69P 108/69P 112/69P 163/69P
334/69P 367/69P 546/69P 588/69P
773/69P 821/69P 940/69P 956/69P
970/69P 971/69P 972/69P 977/69P
1296/69P 1351/69P 1556/69P 1587/69P
1799/69P 1843/69P 1892/69P 1917/69P
1930/69P 2144/69P 2145/69P 2431/69P
2458/69P 2461/69P 2479/69P 2495/69P
2515/69P 2516/69P 2517/69P 2518/69P
2523/69P 2527/69P 2533/69P 2652/69P
SEE ALSO
AGFA-GEVAERT
GEYER MASCHINEN + APPARATEBAU GMBH
1013/69P
GOLDSCHMIDT T AG
753/69P
GRAFLEX
1472/69P
GRETAG AG
1730/69P
GRUNDIG E M V
2555/69P

H

HALL HARDING LTD
2372/69P
HALLIBURTON CO
1446/69P
HANS DIETL
1051/69P
HANS HENCH
1571/69P
HARRIS-INTERTYPE
489/69P 647/69P 1437/69P 1966/69P
HEADLINERS INTERNATL
466/69P
HEINRICH HERMANN
547/69P
HELL R KG
1072/69P
HELL RKG
989/69P
HELLYER J T INC
1024/69P
HENKEL + CIE GMBH
957/69P
HERCULES INC
SEE
HERCULES POWDER
HERCULES POWDER
378/69P
HITACHI LTD
1167/69P
HOE R + CO
1293/69P
HONEYWELL
540/69P
HORIZONS
359/69P 363/69P 364/69P 365/69P
1065/69P 1090/69P 2473/69P
HOUSTON SCHMIDT LTD
2076/69P
HUGHES AIRCRAFT
2147/69P

I

IBM
123/69P 124/69P 136/69P 324/69P
328/69P 770/69P 1020/69P 1086/69P
1113/69P 1384/69P 1724/69P 1952/69P
2128/69P 2355/69P 2651/69P
ICI LTD
1404/69P
ILFORD
165/69P 166/69P 167/69P 260/69P
312/69P 410/69P 413/69P 421/69P
652/69P 724/69P 812/69P 814/69P
969/69P 973/69P 974/69P 1032/69P
1096/69P 1101/69P 1102/69P 1104/69P
1105/69P 1510/69P 1916/69P 2164/69P
2363/69P 2429/69P 2506/69P 2507/69P
2512/69P 2514/69P 2645/69P
IMPERIAL CHEM IND
1400/69P
INFLIGHT MOTION PICTURES INC
1145/69P
INSTR CORP AM
1431/69P
INTERCHEM CORP
1377/69P 1855/69P 1856/69P
INTERNATIONAL POLAROID
2170/69P 2191/69P
INTERNATL POLAROID
429/69P 1044/69P 1932/69P 1933/69P
2068/69P 2094/69P
INTERNATL POLOROID
SEE
POLAROID INTERNATL
INTERNATL STD ELEC
1438/69P
ITEK
127/69P 199/69P 1023/69P 1175/69P
1295/69P 1394/69P 1729/69P 1876/69P
1918/69P 2012/69P

J

J STROEMER-SCHOMERS FA
699/69P
J.A.MAURER INC
1474/69P
JARNHS ELEK AB
2371/69P
JARROLD + SONS LTD
884/69P

JONKER BUS MACH INC
1443/69P 1728/69P
JOS SCHNEIDER + CO
2059/69P 2060/69P 2634/69P
JOS SCHNEIDER CO
514/69P

K

KALART
1325/69P
KALLE AG
347/69P 350/69P 360/69P 378/69P
648/69P 650/69P 771/69P 799/69P
941/69P 1060/69P 1064/69P 1076/69P
1436/69P 1542/69P 1548/69P 1581/69P
2129/69P 2437/69P 2562/69P
KALVAR
1838/69P
KATSURAGAWA ELEC LTD
1381/69P
KENRO CORP
1294/69P
KEUFFEL + ESSER
325/69P 352/69P 771/69P 772/69P
1060/69P 1284/69P 1542/69P 1837/69P
2168/69P
KODAK AKTIESELSKAB
1583/69P
KODAK CANADIAN
1352/69P
SEE ALSO
EASTMAN KODAK
KODAK LTD
103/69P 144/69P 349/69P 580/69P
894/69P 1177/69P 1495/69P 1594/69P
1800/69P 2454/69P
SEE ALSO
EASTMAN KODAK
KODAK NV
1631/69P
SEE ALSO
EASTMAN KODAK
KODAK PATHE.
293/69P 401/69P 408/69P 416/69P
430/69P 490/69P 582/69P 976/69P
1248/69P 1352/69P 1532/69P 1547/69P
SEE ALSO
EASTMAN KODAK
KODAK SA
293/69P 346/69P 349/69P 376/69P
401/69P 416/69P 431/69P 482/69P
491/69P 580/69P 947/69P 988/69P
1100/69P
SEE ALSO
EASTMAN KODAK
KONISHIROKU PHOTO LTD
326/69P 327/69P 818/69P 1014/69P
1074/69P 2150/69P 2151/69P 2181/69P
2182/69P 2183/69P 2184/69P 2526/69P
KOPPERS CO
1857/69P
KORAD CORP
273/69P

L

LAB FOR ELECTRONICS INC
205/69P
LEE-SMITH PHOTOMECHANICS LTD
726/69P 2558/69P
LENINGRAD INST TOCHNOI MEKH I OPT
511/69P
LEVER BROS CO
604/69P
LICHTDRUKPAPIERFABRIEK DE ATLAS
SEE
DE ATLAS
LINDAUER DORNIER GMBH
1887/69P
LINOTYPE GMBH
646/69P
LITHOPLATE
483/69P 605/69P
LITTLE A D
784/69P
LITTON
595/69P
LOCKWOOD KESSLER BARTLETT
2592/69P
LOEWE OPTA GMBH
835/69P
LUDLOW TYPOGRAPH
2228/69P
LUMOPRINT ZINDLER
314/69P 952/69P 1016/69P 1725/69P
2069/69P 2070/69P

M

MAGNAFONE RECORDER CO LTD
864/69P
MANNESMANN MULTIBLITZ-GERAETE GMBH
1336/69P
MARK SYSTEMS
543/69P 904/69P 1740/69P
MARKHAM W C
2349/69P
MATSUSHITA ELEC IND LTD
593/69P 594/69P 794/69P 795/69P
796/69P 953/69P 955/69P 1387/69P
1861/69P
MEAD
1383/69P 1386/69P
MED + ELEC INSTRUMENTATION CO LTD
1492/69P
MED AND ELEC INSTRUMENTATION CO LTD
2662/69P
MEDIZINISCHE GERAETEFABRIK VEB
725/69P
METEOR-SIEGEN APPARAT PAUL SCHMECK
2366/69P
MITA S
1371/69P
MMM CO
512/69P 531/69P 561/69P 819/69P
1079/69P 1080/69P 1176/69P 1255/69P
1395/69P 1434/69P 1758/69P 2457/69P
2462/69P 2505/69P
MOLL W
903/69P
MONSANTO
2146/69P
MONSANTO GRAPHIC SYSTEMS
2140/69P 2459/69P
MORGAN ADHESIVES CO
2665/69P
MORNINGSTAR CORP
1507/69P
MOSK INST KRISTALLOGRAFII
1223/69P
MOSK INST STRALI I SPLAVOV
1223/69P
MOSKOVSKOE KONSTRUKTORSKOE
2343/69P

N

N AM ROCKWELL CORP
1553/69P
NASA
271/69P
NASHUA CORP
1381/69P
NAT CASH REGISTER
1393/69P 1557/69P
NATL AERONAUTICS + SPACE ADMIN
SEE
NASA
NATL CASH REGISTER
802/69P
NATL RES DEVELOP
727/69P
NIHON PAINT CO
2131/69P
NIPPON ENG LTD
1159/69P 1498/69P
NIPPON KOGAKU K K
2618/69P
NIPPON KOGAKU KK
2659/69P
SEE ALSO
NIPPON ENG LTD
NV LICHTDRUKPAPIERFABRIEK DE ATLAS
SEE
DE ATLAS

O

OLYMPIA WERKE AG
1281/69P

OMAC
1034/69P
OPT WERKE RODENSTOCK
533/69P
ORIENTAL PHOTO LTD
816/69P
ORWO WOLFEN
1250/69P 1506/69P 1584/69P
ORWO, WOLFEN
1893/69P
OWENS-ILLINOIS
1073/69P 1254/69P
OZALID LTD
1891/69P

P

PAILLARD SA
1158/69P 1275/69P 1469/69P
PAKO
1331/69P
PAPERS + PUBLICATIONS PRINTERS LTD
194/69P 1970/69P
PATENT-TREUHAND ELEK GLUEHLAMPEN
1042/69P
PATERSON PRODUCTS LTD
1500/69P
PAVELLE LTD
526/69P 817/69P 2362/69P 2646/69P
PENTACON DRESDEN KAMERA + KINOWERKE
516/69P 1162/69P 1163/69P 1323/69P
1486/69P 1490/69P 1491/69P 1493/69P
1494/69P 1496/69P 1499/69P 2387/69P
PENTACON DRESDEN KAMERA UND KINOWER
2658/69P
PENTACON DRESDEN KAMERA- + KINOWERK
2386/69P
PHILCO
1739/69P
PHILCO-FORD
333/69P 649/69P
PHILIPS ELEC IND LTD
SEE
PHILIPS ELECTRON + ASSOC IND LTD
PHILIPS ELECTRON + ASSOC IND LTD
197/69P
PHILIPS GMBH
792/69P
PHOTAX LONDON LTD
893/69P
PHOTO-ENGRAVERS RES
485/69P 2556/69P
PHOTON INC
651/69P
PIERONEK C A
1166/69P
POLAROID
193/69P 259/69P 380/69P 399/69P
427/69P 544/69P 545/69P 820/69P
1049/69P 1050/69P 1111/69P 1129/69P
1215/69P 1251/69P 1289/69P 1290/69P
1337/69P 1339/69P 1402/69P 1419/69P
1424/69P 1425/69P 1485/69P 1562/69P
1602/69P 1603/69P 1604/69P 1605/69P
1606/69P 1607/69P 1679/69P 1734/69P
1749/69P 1752/69P 1753/69P 1754/69P
1755/69P 1756/69P 1757/69P 1759/69P
1760/69P 1761/69P 1762/69P 1763/69P
2057/69P 2075/69P 2093/69P 2388/69P
2389/69P 2530/69P 2531/69P 2532/69P
2610/69P 2632/69P 2647/69P 2656/69P
2657/69P
SEE ALSO
POLAROID INTERNATL
POLAROID INTERNATL
143/69P 1401/69P 1418/69P 1426/69P
POLAROID INTL
1182/69P
POWERS CHEMCO
2615/69P
PRECISION INSTRUMENT
2237/69P
PRONTOR-WERKE ALFRED GAUTHIER
1706/69P

R

RANK ORGANISATION
2344/69P
RANK PRECISION LTD
510/69P
RANK XEROX LTD
798/69P 1075/69P 2460/69P 2583/69P
2648/69P
RANK-XEROX LTD
130/69P 131/69P 132/69P 277/69P
351/69P 789/69P 946/69P 948/69P
949/69P 1083/69P 1256/69P 1380/69P
1550/69P
RAYNER OPTICAL CO LTD
700/69P
RCA
188/69P 345/69P 354/69P 1078/69P
1456/69P 1471/69P 1549/69P 1554/69P
RENKER-BELIPA
793/69P 800/69P 1063/69P
RESEARCH LABS OF AUSTRALIA PTY LTD
2143/69P
RESEARCH SILVER REFINING CO
892/69P
RICOH K K
2367/69P 2368/69P
RICOH LTD
954/69P
ROBERT BOSCH ELEKTRON + PHOTOKINO
1146/69P 1460/69P
ROBERTSON PHOTO-MECHANIX
987/69P
RODENSTOCK OPT WERKE
1154/69P 1155/69P 1157/69P
RODENSTOCK, R
2358/69P
RUDAS THEATRICAL ORGANISATION
2539/69P
RUDOLF HELL KG
SEE
HELL R KG

S

S D WARREN CO
SEE
WARREN S D CO
SCHLUMBERGER TECHNOL
2370/69P
SCHMIEDEL U
791/69P
SEARS ROEBUCK + CO
1700/69P
SEC STATE DEFENCE
2624/69P
SECURITY TIME REGISTERS LTD
881/69P
SHAFIK M M
1161/69P
SHELL INTERNATL RESEARCH NV
673/69P
SIEMENS AG
645/69P 825/69P 826/69P 1001/69P
1085/69P 1087/69P
SOC IND BULL-GEN ELEC
129/69P
SOC IND RADIOELEC ELECTRON FRANC
1703/69P
SOC INT FONOVISIONE SPA
1689/69P
SONY CORP
801/69P
SPERRY RAND
1935/69P
STANDARD TEL + CABLES LTD
SEE
INTERNATL STD ELEC
STERLING DRUG
2467/69P
SUN CHEM CORP
2456/69P

T

TAYLOR PUBL CO
1737/69P
TAYLOR TAYLOR HOBSON
510/69P
TECH + MATER GRAPHIQUES
643/69P
TECH OPS
783/69P
TELEFUNKEN
1092/69P 1093/69P 1094/69P 1112/69P
1299/69P 1390/69P
TESLA NARODNI PODNIK
790/69P
TEXAS INSTR
698/69P 1391/69P
THOMPSON RAMO WOOLDRIDGE
SEE
TRW INC
TRW INC
2582/69P
TWENTIETH CENTURY FOX
2642/69P

U

UNION CARBIDE
480/69P 484/69P 1570/69P
UNITED STATES OF AMERICA
2552/69P
UNITED-CARR INC
639/69P
UNIVERSAL OIL
2127/69P
USA ARMY
1732/69P
USA ATOMIC ENERGY COMM
1452/69P
USA NAVY
1172/69P
USTREDNI REDITELSTVI
1635/69P

V

VAN DER GRINTEN
590/69P 1841/69P 1842/69P
VARITYPER
891/69P 1733/69P
VEB FILMFABRIK WOLFEN
2130/69P 2176/69P
VIEWLEX
1457/69P 2031/69P
VINTEN W LTD
276/69P
VISUAL GRAPHICS CORP
2650/69P
VISUAL PROGRAMMING INC
1696/69P
VOIGTLANDER
701/69P 1009/69P 1458/69P 1705/69P
2619/69P
VOLPI AG
1010/69P
VSES NAUCH-ISSLE INST POLIGRAF PROM
1297/69P

W

W VINTEN LTD
SEE
VINTEN W LTD

WARREN S D CO
379/69P

WEITZNER D M
2617/69P

WINTER H
1017/69P

X

XEROX
120/69P 125/69P 128/69P 342/69P
781/69P 782/69P 785/69P 786/69P
789/69P 797/69P 946/69P 948/69P
1068/69P 1071/69P 1075/69P 1088/69P
1089/69P 1373/69P 1376/69P 1380/69P
1550/69P 1722/69P 2138/69P 2139/69P
2142/69P 2364/69P 2365/69P 2453/69P
2554/69P

Z

ZEISS CARL JENA
1330/69P
ZEISS IKON
728/69P 1043/69P 1508/69P 2639/69P
ZERAND CORP
1888/69P
ZINDLER LUMOPRINT
532/69P 536/69P

SECTION 4

SUBJECTS BY DESCRIPTORS

A

ABERRATIONS
  SEE
    LENS ABERRATIONS
ABRASION
  SEE
    FILM ABRASION
ABRASION RESISTANCE
    1889/69
ABSORBERS
  SEE
    INFRARED ABSORBERS
    ULTRAVIOLET ABSORBERS
ABSORPTION
  SEE
    ENERGY ABSORPTION
    LIGHT ABSORPTION
ABSORPTION SPECTRA
  SEE
    SPECTRAL ABSORPTION
ACCELERATORS
  SEE
    DEVELOPMENT ACCELERATORS
    DYE BLEACH ACCELERATORS
ACCEPTORS
  SEE
    HALOGEN ACCEPTORS
ACIDITY
  SEE
    P H
ACRYLIC POLYMERS
    813/69P 879/69 2502/69P 2511/69P
    2522/69P
  SEE ALSO
    POLYACRYLATES
ACTIVATION ANALYSIS
    2112/69
ACUITY
  SEE
    VISUAL ACUITY
ACUTANCE
    401/69P
ADAPTATION
  SEE
    LIGHT ADAPTATION
ADAPTERS
  SEE
    ROLL FILM ADAPTERS
ADDITION POLYMERIZATION
    1401/69P
ADDITIVE COLOR PHOTOGRAPHY
  SEE
    LENTICULATED FILMS
ADDITIVE COLOR PRINTERS
    523/69 880/69P 2238/69
ADDITIVE COLOR SYNTHESIS
    2293/69
ADDITIVES
    383/69P 465/69P
  SEE ALSO
    DEVELOPER ADDITIVES
    EMULSION ADDITIVES
    SUPPORT ADDITIVES
ADHESION
    1889/69 1963/69
ADHESIVE TRANSFER
ADHESIVE TRANSFER/SEE/CONTD/
  SEE
    IMAGE TRANSFER
ADJACENCY EFFECTS
    387/69 763/69
  SEE ALSO
    EDGE EFFECTS
ADSORPTION
    64/69 565/69 619/69 757/69
    1355/69 1368/69 1561/69 1785/69
    1832/69 1900/69 2137/69 2405/69
    2484/69
  SEE ALSO
    ADSORPTION KINETICS
    ADSORPTION MEASUREMENT
    DEVELOPING AGENT ADSORPTION
    DYE ADSORPTION
    GELATIN ADSORPTION
ADSORPTION KINETICS
    41/69
ADSORPTION MEASUREMENT
    1229/69 1368/69
AERECON FILMS
  SEE
    AERIAL FILMS
AERIAL CAMERAS
    1938/69 2245/69 2337/69
AERIAL DUPLICATING FILM
  SEE
    AERIAL FILMS
AERIAL FILMS
    575/69 1411/69 1746/69
AERIAL HAZE
  SEE
    ATMOSPHERIC HAZE
AERIAL PHOTOGRAPHY
    304/69 653/69 750/69 841/69
    846/69 860/69 990/69 1272/69
    1678/69 2001/69 2002/69 2003/69
    2005/69 2036/69 2037/69 2063/69
    2173/69 2188/69 2240/69 2241/69
    2242/69 2243/69 2245/69 2246/69
    2251/69 2253/69 2259/69 2261/69
    2266/69 2267/69 2268/69 2269/69
    2273/69 2274/69 2275/69 2293/69
    2297/69 2319/69 2378/69 2571/69
    2584/69 2585/69 2586/69 2588/69
    2591/69
  SEE ALSO
    SURVEYING
AERO FILMS
  SEE
    AERIAL FILMS
AEROGRAPHIC FILMS
  SEE
    AERIAL FILMS
AEROSOL DEVELOPMENT
    121/69P 337/69 339/69 1066/69P
AEROSOLS
    1669/69
AFTER RIPENING
  SEE
    CHEMICAL SENSITIZING
AGENTS
  SEE
    ANTIFOGGANTS
    ANTIHALATION AGENTS
    ANTIOXIDANTS
    ANTISTAINING AGENTS
    ANTISTATIC AGENTS
    BACTERICIDES

AGENTS/SEE/CONTD/
BLEACHING AGENTS
DEVELOPING AGENTS
DISPERSING AGENTS
FIXING AGENTS
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